



PRODUCT-DETAILS

XT1N 125 TMF 80-800 3p F F UL/CSA

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General Information	
Extended Product Type	XT1N 125 TMF 80-800 3p F F UL/CSA
Product ID	1SDA074644R1
EAN	8015644786212
Catalog Description	XT1N 125 TMF 80-800 3p F F UL/CSA
Long Description	C.BREAKER TMAX XT1N 125 UL/CSA FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMF R 80-800 A

ABB EcoSolutions	
ABB EcoSolutions	Yes

Circular Value	
Circular Design Principles Recyclability Rate	Design for Closing Resource Loops - Standard EN45555 - 55.9 %
End of Life Instructions	9AKK108468A2347
Group Waste to Landfill Target	UL 2799 Zero Waste To Landfill Validation available

**Eco Transparency**

Environmental Product Declaration - EPD 9AKK108468A1890

**Environmental**

Environmental Information 9AKK108467A6707

**Material Compliance**

REACH Declaration 9AKK108466A1425  
 RoHS Information 9AKK108466A1424  
 RoHS Status Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019  
 Conflict Minerals Reporting Template (CMRT) 9AKK108467A5658  
 Toxic Substances Control Act - TSCA 9AKK108467A8326  
 SCIP a3092b52-c7b0-46f4-a587-9578e451bba7 Italy (IT)  
 Simplified SCIP  
 b2340d3b-188b-4daf-8947-8bb974b4f69e Germany (DE)  
 f78364e7-bd45-4331-9134-7d13a1e77777 Netherlands (NL)  
 60947389-f3a5-4348-b36e-eb9c73fa6d0d Portugal (PT)  
 17bda6c2-328a-4e8a-a4a1-742560832538 Norway (NO)  
 58ee7ea9-978d-487d-ab1c-c7c30f13a173 Finland (FI)  
 adbffa6f-4548-4108-8885-289fe00fcb55 Poland (PL)  
 eca4e28b-3bb4-4748-8506-4a95a5f21ccd Netherlands (NL)  
 47f5d8bc-8c12-47db-a29a-5c02bf51a3e4 Netherlands (NL)  
 22133da5-b4fb-4ec8-b112-83d7d145d4f6 Estonia (EE)  
 18ca1470-07ff-446e-9d02-a5b426685eb0 Germany (DE)  
 d6df0810-1652-49ce-8913-c4c7bf90ca3a Denmark (DK)  
 76ee3543-11ee-4243-97d6-5daee2d350b7 Germany (DE)  
 3f83c144-b5ff-40dd-bfa6-299f8e6b4dfd Croatia (HR)  
 34dc34be-e7fb-4df6-82b6-b2c5278a31e1 Czech Republic (CZ)  
 6a8f9c77-c878-4e35-befa-c304bcc097aa Poland (PL)  
 4293d883-427d-4be4-a847-50dc2e10393e Greece (GR)  
 7bfd3ed4-a382-4072-9a18-8ae4ddc193ca Bulgaria (BG)  
 a6a9fe1c-f309-4111-87a3-87d19d51e683 Sweden (SE)  
 0379fd51-9eb7-4184-b8a2-1507a9ef780e Poland (PL)  
 98fct8d4-5d6a-4321-b91e-b2fa16ed54c3 France (FR)  
 ef35b0b4-7227-4c34-b530-51191eb159df Sweden (SE)  
 1907a2c2-5b32-40e3-8c6c-d2155eb2e18b Germany (DE)  
 9256e718-5baf-42cd-abcd-f1badeae94c4 Germany (DE)  
 34ddc332-dd9c-4010-beb1-5d8a180222b7 France (FR)  
 a160dfe9-ac41-4c92-b55f-397bdac67266 Netherlands (NL)  
 6b15499e-5f7b-43dd-83ca-7cc107a77823 Spain (ES)  
 bc7b4ecd-79e8-4c3e-b815-1a68bcf949f3 Netherlands (NL)

**Ordering**

Order Code US and Canada XT1NU3080AFF000XXX  
 EAN 8015644786212  
 Minimum Order Quantity 1 piece  
 Customs Tariff Number 85362090

**Dimensions**

Product Net Width 76.2 mm  
 Product Net Height 130 mm  
 Product Net Depth / Length 70 mm  
 Product Net Weight 1.1 kg

### Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	128 mm
Package Level 1 Height	135 mm
Package Level 1 Depth / Length	143 mm
Package Level 1 Gross Weight	1.1 kg
Package Level 1 EAN	8015644786212

### Additional Information

Circuit Breaker Type to be Associated	Power Distribution
Product Main Type	SACE Tmax XT
Product Name	Moulded Case Circuit Breaker
Product Type	Automatic Circuit Breaker
Suitable for Product Class	SACE Tmax XT
Version	F
CAD Dimensional Drawing	1SDH001295R0008

### Technical

Connecting Capacity Main Circuit	Busbar 45.5 ... 80 mm <sup>2</sup>
Current Type	AC/DC
Electrical Durability	120 cycles per hour 8000 cycle
Mechanical Durability	240 cycles per hour 25000 cycle
Number of Poles	3
Opening Time	CB with SOR 15 ms CB with UVR 15 ms
Order Multiple	1 piece
Power Loss	at Rated Operating Conditions per Pole 4.8 W
Rated Current (I <sub>n</sub> )	80 A
Rated Instantaneous Short-Circuit Current Setting (I <sub>s</sub> )	900 A
Rated Operational Voltage	600Y/347 V AC 500 V DC
Rated Uninterrupted Current (I <sub>u</sub> )	125 A
Rated Voltage (U <sub>r</sub> )	600Y/347 V
Recommended Screw Driver	Main Circuit M6
Release	TMF
Release Type	TM
Setting Range	80 A
Short-Circuit Performance Level	N
Standards	UL489
Sub-type	XT1
Terminal Connection Type	Front
Terminal Type	Bolt
Tightening Torque	6 N·m

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## Technical UL/CSA

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Interrupting Rating acc. to UL489	(240 V AC) 50 kA (480 V AC) 25 kA (600Y / 347 V AC) 18 kA (250 V DC) 2 Poles in Series 35 kA (500 V DC) 4 Poles in Series Kind 35 kA
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## Certificates and Declarations

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ATEX Certificate	No certification needed
CSA Certificate (Intrinsic Safe)	9AKK10103A3905
Data Sheet, Technical Information	1SDC210200D0206 1SDC210199D0206
Declaration of Conformity - CE	9AKK106713A5532
UL Certificate	1SDL000163R0111
VDE Certificate	No certification needed
Dimension Diagram	1SDH000719R0100
Mechanical Drawings	1SDH000719R0100
Wiring Diagram	1SDM000068R0001
Instructions and Manuals	1SDH000719R0003

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## Classifications

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ETIM 8	EC000228 - Power circuit-breaker for trafo/generator/installation protection
ETIM 9	EC000228 - Power circuit-breaker for trafo/generator/installation protection
IDEA Granular Category Code (IGCC)	4927 >> Molded case circuit breakers
Object Classification Code	Q
UNSPSC	39121616
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
eClass	V11.1 : 27370409

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## Categories

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Low Voltage Products and Systems → Circuit Breakers → Moulded Case Circuit Breakers → Tmax XT

